

West Haven: LED Street Lighting Analysis

No.	Qty	Existing			Proposed (based on tariff recommendations)				Notes
		Existing Ltg	Annual Cost/Fixt	Total Cost	Equivalent LED Wattage #1	Annual Cost/Fixture	Total Annual Cost	Annual Savings	
1	3,003	50 HPS Cobra	\$ 128.04	\$ 384,504.12	19 LED Cobra	\$ 92.85	\$ 278,828.55	\$ 105,675.57	Recommendations based on LED rate tariff
2	22	70 HPS Cobra	\$ 150.41	\$ 3,309.02	26 LED Cobra	\$ 99.94	\$ 2,198.68	\$ 1,110.34	Recommendations based on LED rate tariff
3	490	100 HPS Cobra	\$ 204.17	\$ 100,042.86	44 LED Cobra	\$ 133.54	\$ 65,434.60	\$ 34,608.26	Recommendations based on LED rate tariff
4	503	150 HPS Cobra	\$ 267.85	\$ 134,729.27	66 LED Cobra	\$ 162.68	\$ 81,828.04	\$ 52,901.23	Recommendations based on LED rate tariff
5	347	250 HPS Cobra	\$ 388.36	\$ 134,761.18	85 LED Cobra	\$ 231.17	\$ 80,215.99	\$ 54,545.19	Recommendations based on LED rate tariff
6	14	400 HPS Cobra	\$ 540.77	\$ 7,570.74	166 LED Cobra	\$ 336.94	\$ 4,717.16	\$ 2,853.58	Recommendations based on LED rate tariff
	4,379			\$ 764,917.19			\$ 513,223.02	\$ 251,694.17	

Disclaimers:	
1	The findings and conclusions in this report are estimates only. UI does not guarantee that the savings amounts will be achieved.
2	Generation cost and savings calculations are based off of \$0.0881/kWh. This rate amount is subject to change.
3	Cost and savings calculations are based on street lighting rate tariffs that went into effect on 07/01/2017. Fixture wattages have been adjusted based on Cooper's current LED offerings. Distribution charges may vary based on UI's next filing with PURA.
4	Proposed option includes recommended LED fixture wattages based on equivalent lumen output for the incumbent technology (i.e. HPS & MH) as identified in rate tariff.
5	Fixture quantities are approximate and subject to change.
6	UI is not responsible for maintaining existing light levels.